

FIG. 1

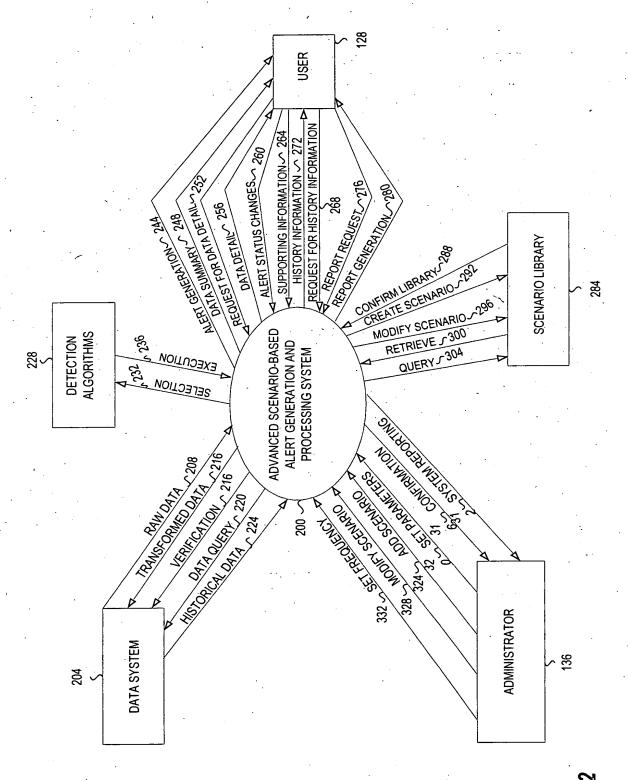
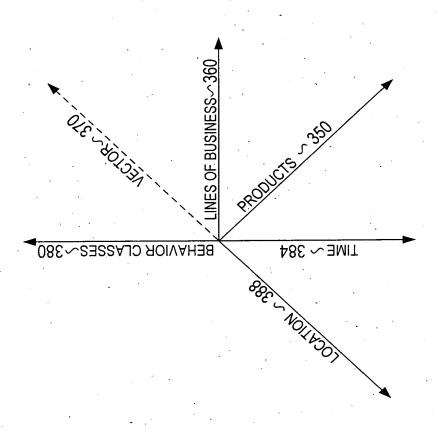
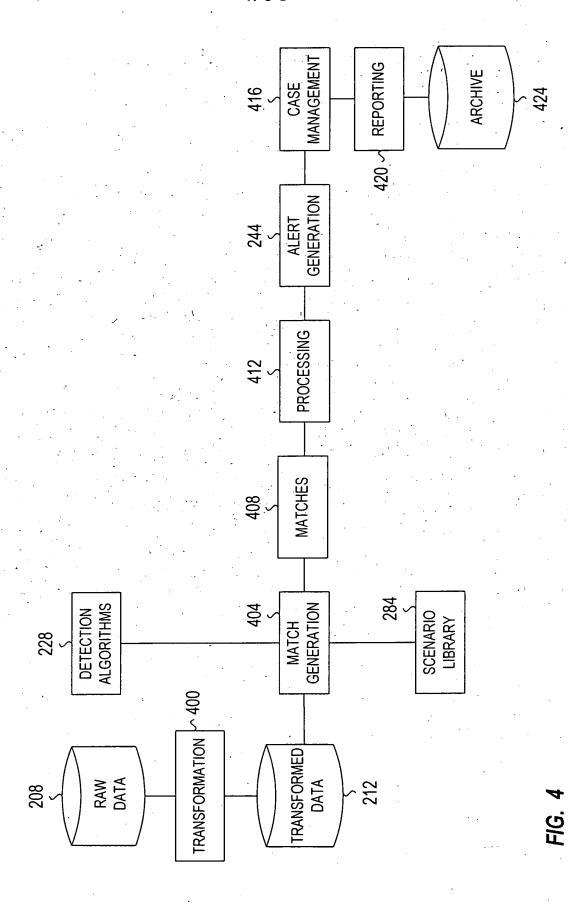


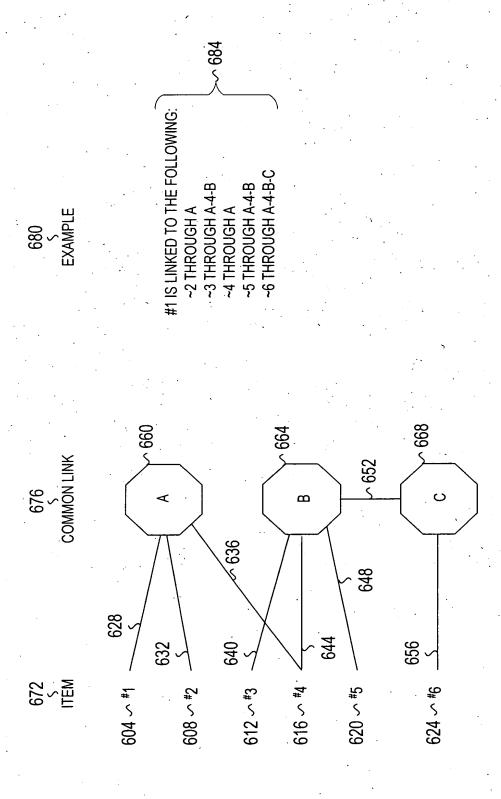
FIG.



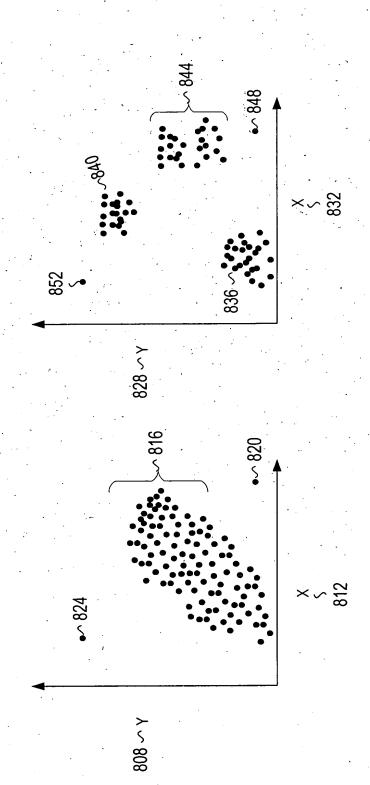


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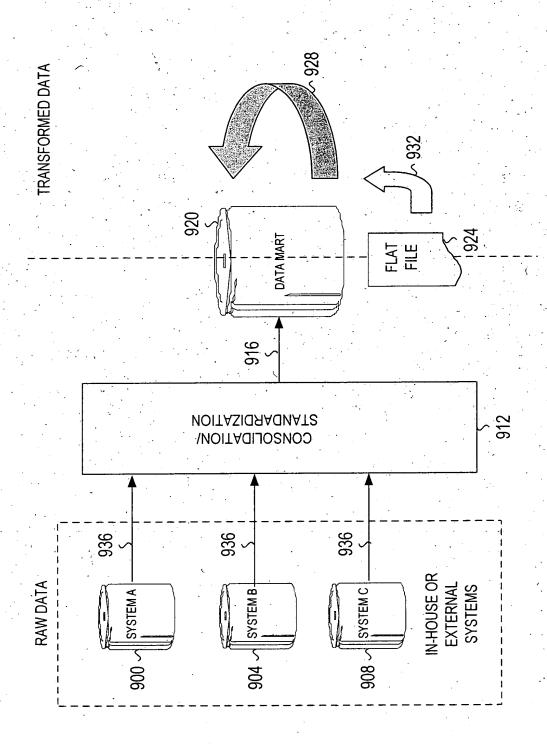


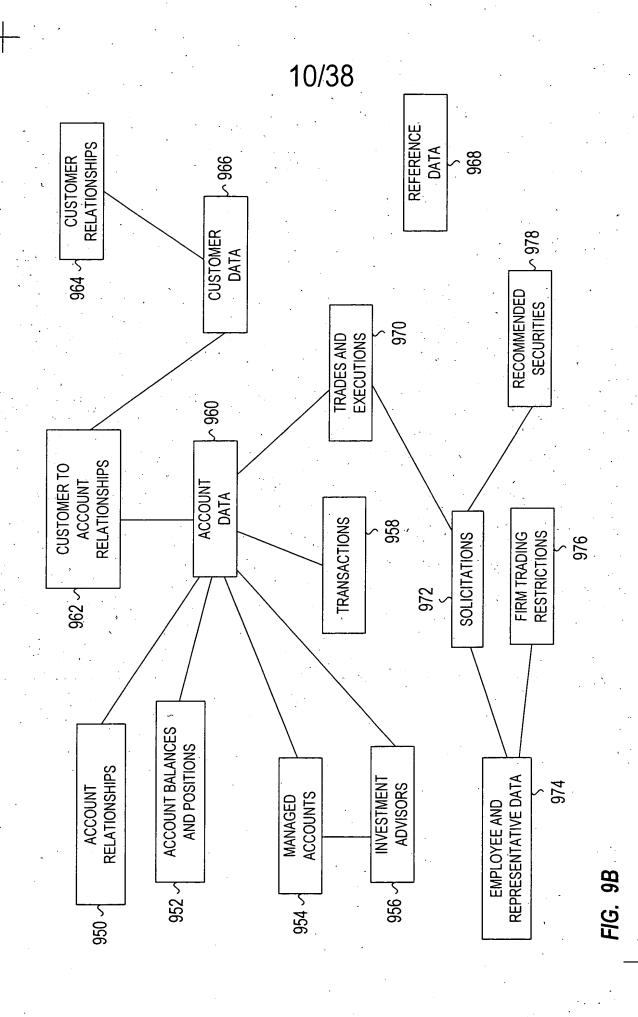
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EXAMPLE #1 ~ 800

FIG. 8





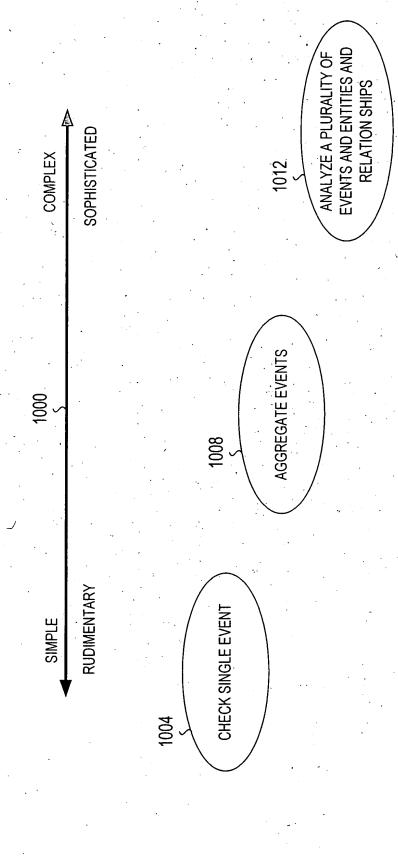


FIG. 10

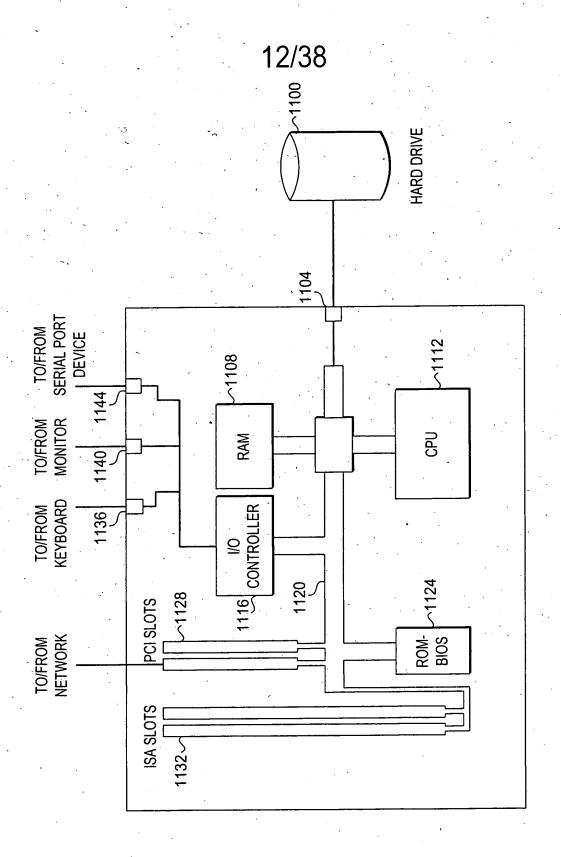


FIG. 11

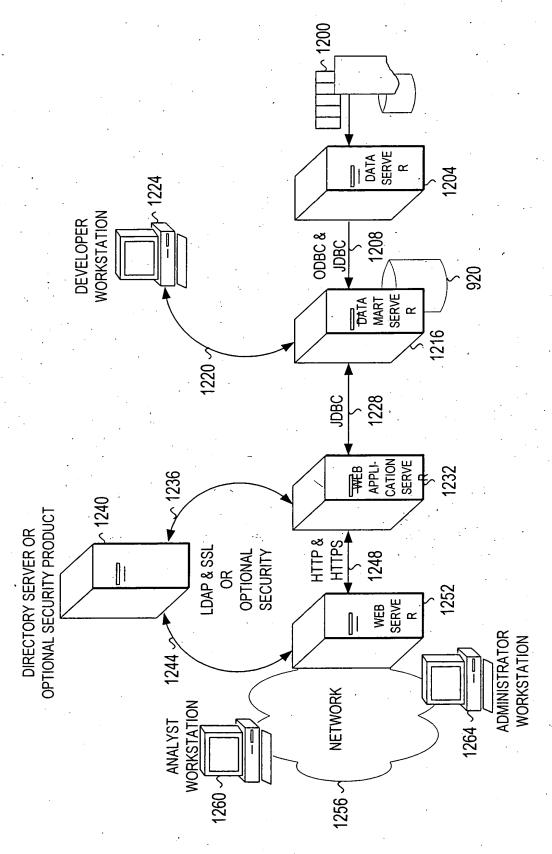
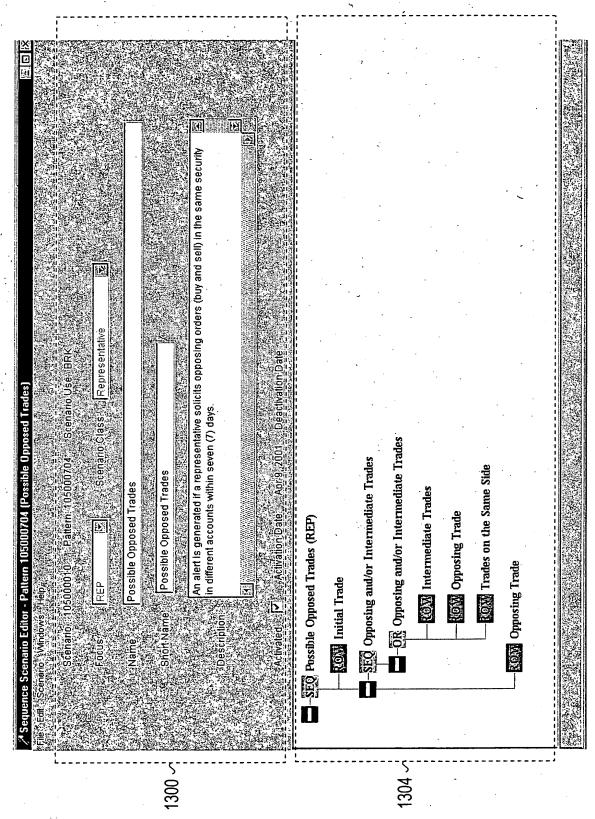
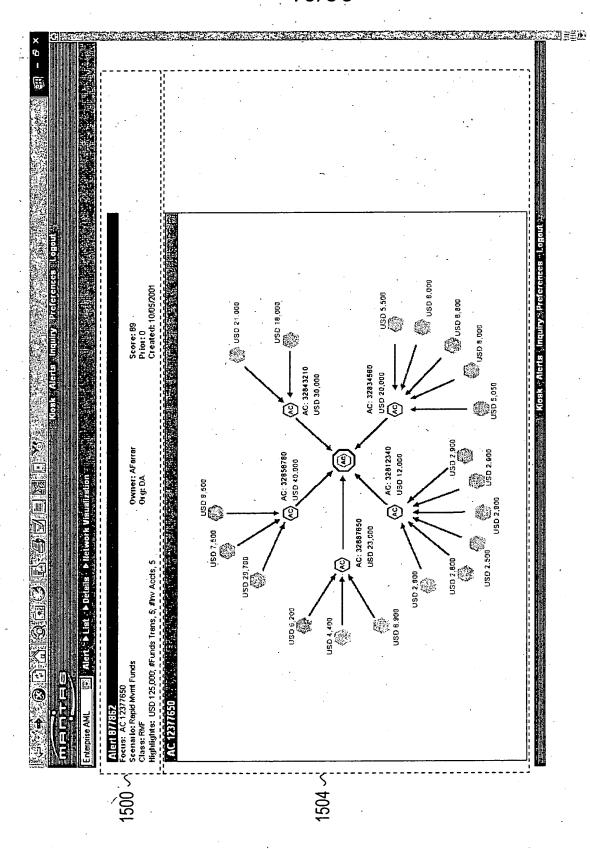


FIG. 12



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FIG. 21

Parameter	Description	Default	Min	Max
Conc Posn MVL	The minimum amount that must be concentrated in a single equity security to receive an alert.	.\$400K	\$75K	\$10M
Conc %	The percentage portfolio concentration in a single security required to receive an alert. This figure is computed by comparing market value of the holdings in the concentrated security to the total cash and security value.	80%	40%	100%
Equity %	The equity percentage at or below which an account can be considered for an alert.	40%	0%	90%
Accts on Margin	For household-level alerts, the minimum number of accounts in the household that must be trading on margin (i.e., have an equity percentage less than 100) and be concentrated in the same security as the household in order to receive an alert.	2	2	10
% Change	The percent change in the direction of interest that must occur for a situation to be considered significantly different from the previous month. If this occurs, an alert will be generated even if the account/household met the criteria during the previous month.	15%	0%	100%

Parameter	Description	Default	Min	Max
	The minimum aggregate market value in low-priced equities required to receive an alert.	\$400K	\$75K	\$10M
	The percentage portfolio concentration in low-priced equities required to receive an alert. This figure is computed by comparing low-priced security MVL to the total cash and security value.	80%	10%	100%
	The percent change in the direction of interest that must occur for a situation to be considered significantly different from the previous month. If this occurs, an alert will be generated even if the account/household met the criteria during the previous month.	15%	0%	100%

Parameter	Description	Default	Min	Max
Equity Share Qty	The quantity threshold below which an equity order may be handled by an auto-execution system. To qualify for an alert, each order in a series must be for less than this threshold, and the cumulative quantity must be for more than this threshold.	2,001	2	100,000
Equity Time Limit	The total time span (in seconds) within which a series of equity orders must be entered to qualify for an alert.	30	2	18,000
Option Contract Qty	The quantity threshold below which an option order may be handled by an auto-execution system. To qualify for an alert, each order in a series must be for less than this threshold, and the cumulative quantity must be for more than this threshold.	21	2	10,000
Option Time Limit	The total time span (in seconds) within which a series of option orders must be entered to qualify for an alert.	15	2	18,000

Parameter	Description	Default	Min	Max
Min Before Mkt Close	The period of time (in minutes) before the end of regular trading hours in which an order may be considered for a Marking the Close alert.	2	1	6
Posn / Trd Qty Ratio	The minimum position—expressed as a multiple of the end-of-market trade quantity—that must be held in a margin (type 2 or 6) account to be considered a possible situation of interest.	20	2	1,000
% Pts Over Mgn Maint	For the account with a substantial position in the security of interest, the maximum number of percentage points by which the account's ending equity percentage may exceed its maintenance requirement (normally 35%).	5%	1%	40%

Parameter	Description	Default	Min	Max
	The number of improper short sales an account must make over the course of one month to qualify for an alert.	3	·1	100

Parameter	Description	Default	Min	Max
	The percentage factor by which a possible extended-hours cross-trade in a security must deviate from both the recent closing price and the previous execution price for the security.	15%	1%	1,000%
Mkt Moving Trend #	The number of ensuing executions in the same price range as the cross-trade (or further away from the recent closing price) that will be interpreted as a market-moving trend. If such a trend occurs, an alert will not be generated on the cross-trade.	3	1	10,000
Similar Range %	The percent range around the cross-trade price within which ensuing trades will be considered "similarly priced." This is used to evaluate market trends—if enough trades have a similar price or are further from the closing price, a trend has occurred.	5	0	100

Parameter	Description	Default	Min	Max
Act vs Exp Ratio	For a representative's activity in a particular security, the ratio of the actual versus expected number of unsolicited orders necessary to qualify for an alert.	4	2	100
Side of Market %	For a representative's activity in a particular security, the percentage of the customer orders that must be on one side of the market (either Buy or Sell) in order to qualify for an alert.	75%	%09	100%
Min Ords - Svc Tm	Min Ords - Svc For representatives working in call centers or on service teams, the minimum number of orders Tm that must be entered on one side of the market for a particular security in order to be considered for an alert.	20	4	100
Min Ords - Br Rep	For representatives working in branch offices, the minimum number of orders that must be entered on one side of the market for a particular security in order to be considered for an alert.	∞	4	100
Min Accts - Svc Tm	Min Accts - Svc For representatives working in call centers or on service teams, the minimum number of distinct customer accounts from which the representative must receive orders for a particular security in order to be considered for an alert.	10	_	100
Min Accts - Br Rep	For representatives working in branch offices, the minimum number of distinct customer accounts from which the representative must receive orders for a particular security in order to be considered for an alert.	4	_	100
Solicited Trades	Solicited Trades The number of solicited orders that a representative must enter for a particular account to be considered a possible situation of interest. The representative must meet the criteria for solicited and unsolicited orders within the prescribed timeframe.	2	1	50
Unsolicited Trades	The number of unsolicited orders that a representative must enter for a particular account to be considered a possible situation of interest. The representative must meet the criteria for solicited and unsolicited orders within the prescribed timeframe.	2	_	90
Total Days	The total time span (in days) within which the representative must enter the solicited and unsolicited orders for a particular customer.	1	1	14

3	30	/3	38

				1 .		0/30	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·		
Max	13	1M	\$10M	10,000	\$1M	IM.	\$10M	10,000	\$1M	13
Min	0.1	0	0\$	0	0\$	0	0\$	0	0\$	0.1
Default	13	100	\$2K	0	80	100	. \$2K	0	80	13
Description	The maximum amount of time that may transpire between an employee entering a customer order and the employee placing a similar trade in his/her account. The time is expressed in market hours (i.e., 6.5 hours equals one business day).	The share quantity at or above which a customer's equity order can be considered for a shadowing alert. The customer trade must meet the minimum threshold in terms of share quantity or principal amount.	Cust Eqty Prin Amt The principal amount at or above which a customer's equity order can be considered for a shadowing alert. The customer trade must meet the minimum threshold in terms of share quantity or principal amount.	The contract quantity at or above which a customer's option order can be considered for a shadowing alert. The customer trade must meet the minimum threshold in terms of quantity or principal amount.	Cust Optn Prin Amt The principal amount at or above which a customer's option order can be considered for a shadowing alert. The customer trade must meet the minimum threshold in terms of quantity or principal amount.	The share quantity at or above which an employee's equity order can be considered for a shadowing alert. The employee trade must meet the minimum threshold in terms of share quantity or principal amount.	Emp Eqty Prin Amt The principal amount at or above which an employee's equity order can be considered for a shadowing alert. The employee trade must meet the minimum threshold in terms of share quantity or principal amount.	The contract quantity at or above which an employee's option order can be considered for a shadowing alert. The employee trade must meet the minimum threshold in terms of quantity or principal amount.	Emp Optn Prin Amt The principal amount at or above which an employee's option order can be considered for a shadowing alert. The employee trade must meet the minimum threshold in terms of quantity or principal amount.	Hrs b/t Trades - CC The maximum amount of time between a control customer trade (involving the security in which he/she has a controlling role) and an employee order for a similar security. The time is expressed in market hours (i.e., 6.5 hours equals one business day).
Parameter	Hrs b/t Trades	Cust Eqty Shr Qt	Cust Eqty Prin Amt	Cust Optn Cntr Qt	Cust Optn Prin Am	Emp Eqty Shr Qt	Emp Eqty Prin Ami	Emp Optn Cntr Qt	Emp Optn Prin Am	Hrs b/t Trades - CC

Continued on 29B

Parameter	Description	Default	Min	Max
Ctrl Cust Eq Shr Qt	Ctrl Cust Eq Shr Qt The minimum share quantity required for a control customer's order (involving the	2000	0	1M
	security in which he/she has a controlling role) to be considered a candidate for a			
	shadowing alert. The trade can also qualify if it meets the Prin threshold.			,
Ctrl Cust Eq Prin	The minimum principal amount required for a control customer's order (involving the	\$100K	\$0	\$10M
	security in which he/she has a controlling role) to be considered a candidate for a	•		
	shadowing alert. The trade can also qualify if it meets the Shr Qt threshold.			
Ctrl Cust Op Cntr	The minimum contract quantity required for a control customer's option order (involving	20	0	10,000
ij	the security in which he/she has a controlling role) to be considered a candidate for a			,
-	shadowing alert. The trade can also qualify if it meets the Prin threshold.			
Ctrl Cust Op Prin	The minimum principal amount required for a control customer's option order (involving	\$50K	\$0	\$1M
	the security in which he/she has a controlling role) to be considered a candidate for a	,		
	shadowing alert. The trade can also qualify if it meets the Cntr Qt threshold.			
Emp Eq Shr Qt -	For alerts involving the shadowing of a control customer order not entered by the	100	0	MI
. 22	employee, the minimum share quantity required for an employee's equity order to be			
	considered in an alert. The trade can also qualify if it meets the Prin threshold.			
Emp Eq Prin – CC	Emp Eq Prin – CC For alerts involving the shadowing of a control customer order not entered by the	\$2K	\$0	\$10M
	employee, the principal amount required for an employee's equity order to be considered			
	in an alert. The trade can also qualify if it meets the Shr Qt threshold.	,		-
Emn On Cutr Ot -	For alerts involving the shadowing of a control customer order not entered by the	0	Ö	10,000
	employee, the minimum contract quantity required for an employee's option order to be		·	
	considered in an alert. The trade can also qualify if it meets the Prin Amt threshold.			
Emp Op Prin - CC	Emp Op Prin – CC For alerts involving the shadowing of a control customer order not entered by the	\$0	\$0	\$1M
	employee, the principal amount required for an employee's option order to be considered in an alert. The trade can also qualify if it meets the Cntr Qt threshold.			

Parameter	Description	Default	Min	Max
Seconds b/t Orders	The maximum amount of time that may	900	1	23,400
	transpire between an employee placing a			
	trade in his/her account ant the employee			•
	entering a customer or firm account			
• • • •	order for a similar security. The time is		-	
; ·	expressed in seconds. The orders must			
	occur during the same business day.			.*
Cust Eq Ord Shr Qty	The share quantity at or above which a	500	0	1,000,000
oust Eq ord Siz Qij	customer or proprietary account equity			
,	order may be considered a candidate for			
	front-running.			•
Cust On Ord Catr Oty	The contract quantity at or above which	5	0	100,000
cust op ord end Qty	a customer or proprietary account option			100,000
	order may be considered a candidate for	•	·	
	front-running.		·	
Cust Dd Ord Drin Amt	The principal amount at or above which	\$25K	\$0	\$10M
Cust bu Ord Prili Ailit	a customer or proprietary account bond	ΦZJIX	3 0	\$10171
	order may be considered a candidate for			
	l -		,	*
C + O+ O + D - A A	front-running.	\$25K	\$0	\$10M
Cust Ot Ord Prin Amt	The principal amount at or above which	\$23K	\$0	\$1014
	a customer or proprietary account order			-
	for an "other" security type (i.e., one that			÷
	is not classified as an equity, option,			
	bond, mutual fund, money market, or		,	
•	CD) may be considered a candidate for		. •	
	front-running.	100		1 000 000
Emp Eq Ord Shr Qty	The share quantity at or above which an	100	.0.	1,000,000
)	employee's equity order may be			
	considered in a front-running alert.			
Emp Op Ord Cntr Qty	The contract quantity at or above which	1	0	100,000
	an employee's option order may be			
	considered in a front-running alert.			
Emp Bd Ord Prin Amt	The principal amount at or above which	\$5K	\$0	\$10M
	an employee's bond order may be			
	considered in a front-running alert.			
Emp Ot Ord Prin Amt	The principal amount at or above which	\$5K	\$0	\$10M
	an employee's order for an "other"			·
	security type (i.e., one that is not			
	classified as an equity, option, bond,			
	mutual fund, money market, or CD) may			•
	be considered in a front-running alert.			
	or completely in a month randing and the			<u> </u>

Parameter	Description	Default	Min	Max
Time Ahead	The amount of time (in seconds) within	360	1 .	3,600
Large Ord	which an employee's order must precede a		•	
	large order to be considered a possible			
	situation of interest.			
Time After Large	The amount of time (in seconds) following a	7,200	1	2,400
Ord	large order within which an employee must	•		- '
	place a trade opposite to the one he/she made			
	ahead of the large order. All orders involved	i		
	in the possible front-running situation must			,
	take place on the same business day.	·		`
Employee Profit	The net profit that the employee must realize	\$100	(\$10K)	\$10K
	from the trades surrounding the large order.			
Low Vol Eq Shr	For non-heavily-traded equities, the share	5,000	2,500°	1,000,000
Qty	quantity at or above which an order is			
	considered large enough to be a candidate for			
,	front-running. The order must meet the		. '	
	minimum threshold in terms of either share			
	quantity or principal amount.			
Low Vol Eq Prin	For non-heavily-traded equities, the principal	\$50K	\$25K	\$10M
Amt	amount at or above which an order is		,	
	considered large enough to be a candidate for			
	front-running. The order must meet the			•
	minimum threshold in terms of either share			
,	quantity or principal amount.			
High Vol Eq Shr	For heavily traded equities, the share quantity	25,000	2,500	1,000,000
Qty	at or above which an order is considered large			
	enough to be a candidate for front-running.			
	The order must meet the minimum threshold			İ
	in terms of either share quantity or principal	·	· ·	
	amount.			
High Vol Eq Prin	For heavily traded equities, the principal	\$250K	\$25K	\$10M
Amt	amount at or above which an order is			
	considered large enough to be a candidate for			
	front-running. The order must meet the		٠.	•
	minimum threshold in terms of either share			
	quantity or principal amount.			100.000
Option Contract	The contract quantity at or above which an	5	1	100,000
Qty	option order is considered large enough to be			İ
	a candidate for front-running.		00.575	01076
Bond Prin Amt	The principal amount at or above which a	\$50K	\$25K	\$10M
	bond order is considered large enough to be a			
	candidate for front-running.		L	<u> </u>

Parameter	Description	Default	Min	Max
% Security Pr Change	The percentage change relative to the previous day's close that must be observed for a security to be a candidate for an insider trading alert.	15%	10%	1,000%
% Pr Mvmt Attained	The percentage of the price differential—computed by comparing the current closing price to the previous day's closing price—that an employee must manage to attain to be considered for an insider trading alert.	50%	100%	0%

Parameter	Description	Default	Min	Max.
% Orig Sec Sold	For the mutual fund(s) the customer switched out of, the percentage of the buys during the past 6 months that were sold as part of the switch trade(s).	25%	1% .	100%

Parameter	Description	Default	Min	Max
Hot IPO Defn - \$ Chg	The absolute price increase— measured from the initial trading price to the closing price—at or above which an IPO will be considered "hot." An IPO can qualify as "hot" by meeting the absolute or percentage threshold.	\$2	\$0	\$100
Hot IPO Defn - % Chg	The percentage price increase— measured from the initial trading price to the closing price—at or above which an IPO will be considered "hot." An IPO can qualify as "hot" by meeting the absolute or percentage threshold.	10%	1%	1,000%
% Alloc to Sub - Abs	The percentage allotment of IPO shares to a single subaccount that will automatically be considered disproportionate, regardless of how the subaccount's allocation compares to its expected allotment.	25%	1%	100%
% Alloc to Sub - Min	The percentage allotment of IPO shares to a single subaccount that may be considered disproportionate, if the subaccount's allocation also exceeds its expected allotment by more than a specified ratio.	10%	1%	100%
Ratio Act vs Exp Qty	The allocation of IPO shares to a subaccount—measured as a multiple of its expected allotment—that may be considered disproportionate, if the percentage of shares allocated to the subaccount also exceeds a minimum parameter. The expected allocation is based on the size of the subaccount relative to the total assets managed by the IA.	5	1	100

Parameter	Description	Default	Min	<u>Max</u>
# Fav/Unfav Day	The minimum number of "winning" or	4	1	100
Γrds	"losing" day-trade block allocations (i.e.,			•
	the concurrent allotment of a buy and a			
	sell) that a subaccount must receive over			•
	the course of a month to establish a pattern			
	of favorable or unfavorable treatment by			,
	the IA.			
% Day Trds Same	The percentage of the "winning" or	80%	50%	100%
Side	"losing" day-trade block trade allocations	. •		
Side	that must have the end result (i.e., must be			
	favorable or unfavorable) for the	4	,	
	subaccount involved to establish a pattern			e.
Y DOT D D	of unequal treatment by the IA.	\$1K ·	\$1	\$1M
Net P&L Day Trds -	The minimum net amount a subaccount	Φ11Z	ΨΙ.	ψ11 v 1
-	must gain or lose as a result of day-trade			. •
•	block trade allocations to be considered for			
	an alert.	4	0	100
Ratio Act/Exp DT	The level of gains or losses from block		. 0	100
P&L	day-trades for a subaccount— measured as			
	a multiple of its expected gain/loss—that		,	,
	may be of interest. The expected P&L is			
	based on the size of the subaccount			
•	relative to the total assets managed by the			
	IA.			100
# Fav/Unfav Trds	The minimum number of "winning" or	8	1 .	100
•	"losing" block trade allocations that a			
•	subaccount must receive over the course of			
•	a month to establish a pattern of favorable			
	or unfavorable treatment by the IA.			
% Trds Same Side	The percentage of the "winning" or	80%	50%	100%
•	"losing" block trade allocations that must	•		
	have the end result (i.e., must be favorable	_		1
	or unfavorable) for the subaccount			
·	involved to establish a pattern of unequal			
•	treatment by the IA.			
Net P&L Trds - \$	The minimum net amount a subaccount	\$1K	- \$1	\$1M
NOT CEE THE	must gain or lose as a result of block trade			
	allocations to be considered for an alert.	ļ		
Ratio Act/Exp P&L	The level of gains or losses from block	4	0	100
Kano Acrexp r &L	trades for a subaccount—measured as a			1.
	multiple of its expected gain/loss— that			0
•	may be of interest. The expected P&L is			
	based on the size of the subaccount			
	relative to the total assets managed by the			
	IA.	I	I	I

Parameter	Description	Default	Min	Max
% Conc Level	The percentage of assets that must be held in a single equity position for an account to be classified as "concentrated."	50%	1%	100%
	The percentage of IA subaccounts that must have a concentrated position to create an IA-level alert.	50%	1%	100%
# HHs w/Conc Posns	The number of distinct household- security combinations (among the subaccounts for an IA) that must have a concentrated position to create an IA- level alert.	5	1	1,000